Contents

Araki, H., Ion, P. D. F.: On the Equivalence of KMS and Gibbs Conditions for States of Quantum Lattice Systems 1

Babbit, D., Balslev, E.: Dilation-Analyticity and Decay Properties of Interactions 173

Balslev, E., s. Babbit, D. 173

Berger, M. S.: New Applications of the Calculus of Variations in the Large to Nonlinear Elasticity 141

Bergère, M. C., Zuber, J. B.: Renormalization of Feynman Amplitudes and Parametric Integral Representation 113

Berzi, V., Zecca, A.: A Proposition-State Structure. I. The Superposition Principle 93

Caldiera, G., Presutti, E.: Gibbs Processes and Generalized Bernoulli Flows for Hard-core One-dimensional Systems 279

Cannon, J. T.: Continuous Sample Paths in Quantum Field Theory 215

Dimock, J.: Asymptotic Perturbation Expansion in the $P(\phi)_2$ Quantum Field Theory 347

Doplicher, S., Haag, R., Roberts, J. E.: Local Observables and Particle Statistics II 49

Duneau, M., Iagolnitzer, D., Souillard, B.: Strong Cluster Properties for Classical Systems with Finite Range Interaction 307

Elvey, J. S. N.: The Yang-Lee Distribution for a Class of Lattice Gases 101

Fannes, M., Verbeure, A.: On the Time Evolution Automorphisms of the CCR-Algebra for Quantum Mechanics 257

Faris, W. G., Lavine, R. B.: Commutators and Self-Adjointness of Hamiltonian Operators 39

Ferrari, R., Picasso, L. E., Strocchi, F.: Some Remarks on Local Operators in Quantum Electrodynamics 25

Gibbons, G. W.: The Motion of Black Holes 13

Graffi, S., Grecchi, V.: Matrix Moment Methods in Perturbation Theory, Boson Quantum Field Models, and Anharmonic Oscillators 235

Grecchi, V., s. Graffi, S. 235

Haag, R., s. Doplicher, S., *et al.* 49

Hawking, S. W., Sachs, R. K.: Causally Continuous Spacetimes 287

Hegerfeldt, G. C.: From Euclidean to Relativistic Fields and on the Notion of Markoff Fields 155

Hepp, K.: The Classical Limit for Quantum Mechanical Correlation Functions . 265

Herbst, I. W.: On the Connectedness Structure of the Coulomb S-Matrix . . . 181

Herbst, I. W.: Classical Scattering with Long Range Forces 193

Iagolnitzer, D., s. Duneau, M., *et al.* 307

Ion, P. D. F., s. Araki, H. 1

Lavine, R. B., s. Faris, W. G. 39

Lebowitz, J. L.: GHS and other Inequalities 87

Picasso, L. E., s. Ferrari, R., *et al.* 25

Pohlmeyer, K.: Higher Order Perturbation Theory of Exponential Lagrangians: Fourth Order 321

Preston, C. J.: An Application of the GHS Inequalities to Show the Absence of Phase Transition for Ising Spin Systems 253

Presutti, E., s. Caldiera, G. 279

Roberts, J. E., s. Doplicher, S., *et al.* 49

Sachs, R. K., s. Hawking, S. W. 287

Slawny, J.: A Family of Equilibrium States Relevant to Low Temperature Behavior of Spin $\frac{1}{2}$ Classical Ferromagnets. Breaking of Translation Symmetry 297

Souillard, B., s. Duneau, M., *et al.* 307

Speer, E. R.: The Convergence of BPH Renormalization 151

Strocchi, F., s. Ferrari, R., *et al.* 25

Verbeure, A., s. Fannes, M. 257

Zecca, A., s. Berzi, V. 93

Zuber, J. B., s. Bergère, M. C. 113

Indexed in Current Contents